# Mouse anti-human CD4 mAb



**Catalog Number :**E409C02-m100

**Clone number:** Riv 7

**Subtype:** Mouse IgG2a

**Alias:** T4 / Leu-3

**Buffer:** 0.1%Proclin 300 phosphate buffer solution, pH7.2-7.4 (with preservative)

**Application:** Flow cytometry

**Size:** 50ug

**Concentration:** 1mg / ml

**Reaction species:** human

**Storage conditions:** 4℃, protected from light

**Introduction:** CD4, also known as T4, is a 55 kD single-stranded transmembrane glycoprotein belonging to the immunoglobulin superfamily. CD4 is present in most thymocytes, a subset of T cells, and is also expressed at low levels in monocytes / macrophages. CD4 is a coreceptor in the immune response (exerting synergistic receptor activity by binding to class MHC II molecules) and is the primary receptor for HIV infection (CD4 is the primary receptor for HIV-1, the surface glycoprotein gp120). CD4 regulates T cell activation, participates in the adhesion of T / B cells, T cell differentiation, T cell selection, and signaling.

**Experimental method:** surface staining protocol by flow cytometry